

Notice of Allowability

Application No.

09/886,479

Examiner

Lewis A. Bullock, Jr.

Applicant(s)

HINES, KENNETH J.

Art Unit

2195

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to IDSs filed 1/18/05.
2. ☒ The allowed claim(s) is/are 1-12.
3. ☒ The drawings filed on 27 September 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

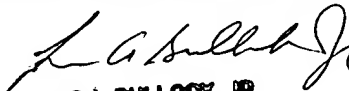
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 1/05; 12/04; 10/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


LEWIS A. BULLOCK, JR.
PRIMARY EXAMINER

Information Disclosure Statement

1. The information disclosure statement filed 10/22/04 and 10/26/04 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file, but the information referred to therein has not been considered.

REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance:

3. The following is an examiner's statement of reasons for allowance: All of the claims detail the a modular software system distributed on a plurality of network resources comprising runtime components comprising a plurality of sockets for connecting and managing lower level components; first and second container components for engaging the sockets; wherein the container components have a container coordinator for allowing communication between the container components; and functional components wherein a functional coordinator allows for communication between the functional components with a container component. The cited prior art of record teach inventive steps of the claims, however, the cited prior art of record, when combined would not enable one skilled in the art to perform the modification or destroys the principle operation from one another. Frey (U.S. Patent 6,567,818) teaches a management system wherein a container component stores a plurality of functional

Art Unit: 2195

components and allows for objects to communicate with another through remote procedure calls. Fowlow (U.S. Patent 6,083,277 or U.S. Patent 5,949,998) teaches communication within a builder system among a plurality of parts which are run-time instances using sockets wherein parts comprise sub-parts. However, the cited references do not teach that such communication is via the sockets of a run-time components and coordinated among one another using a functional or container coordinator. Kassabgi (U.S. Patent 6,003,037) teaches a development environment for creating object connections amongst a plurality of software components known as smart objects. The smart objects connects are established in a coordinated fashion by creating smart links such that the components can be grouped as a smart groups and connected also. The smart objects and groups have the capability to initialize and destroy themselves and add and remove smart links. However, the reference when combined with the teachings of Fowlow would not detail that the container component having the ability to engage one of the sockets of the general runtime component. None of the remaining prior art of record taught or suggested the limitations of the claims as detailed. Therefore, since the claims detail a novel modular system over the prior art of record the claims are allowable.

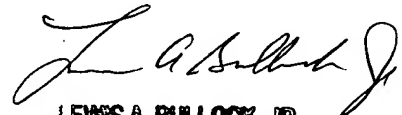
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lewis A. Bullock, Jr. whose telephone number is (571) 272-3759. The examiner can normally be reached on Monday-Friday, 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

April 15, 2005


LEWIS A. BULLOCK, JR.
PRIMARY EXAMINER